

WHAT IS CLAIMED IS:

1. A substrate carrying device, in cooperation with at least a substrate, comprising:

two end plates having a plurality of fixing holes and mounting
5 holes defined in the two end plates;

at least two partition plates each having side faces, side edges
and a plurality of parallel slots wherein said parallel slots are formed on
each side face of said partition plates to receive said substrate, and at least a
mounting pin is disposed on one side edge of said partition plate to securely
10 fix said partition plates in said mounting holes and firmly hold said partition
plates between said two end plates;

a plurality of assembling units;

a plurality of fixing poles having binding holes for locking
engagement with said assembling units so that said fixing poles are secured
15 between said two end plates; and

at least a bottom rail having a plurality of fixing pins at two ends
thereof wherein said bottom rail is secured between said end plates and said
partition plates by means of said fixing pins to support said substrate.

2. The substrate carrying device of claim 1, wherein said substrate is
20 a glass plate, a silicon substrate or a liquid crystal panel.

3. The substrate carrying device of claim 1, wherein said fixing
holes are defined at the peripheries of said end plates.

4. The substrate carrying device of claim 2, wherein said substrate is
a panel for flat displays having a wiring area wherein the distance from said

wiring area to the periphery of said liquid crystal panel is less than the depth of said slots of said partition plates.

5 5. The substrate carrying device of claim 1, wherein said partition plates further comprises at least two stacking pins for being secured in said mounting holes so that said carrying devices can be stacked.

6. The substrate carrying device of claim 1, wherein said partition plates is higher than said substrate.

10 7. The substrate carrying device of claim 1, wherein a surface of said bottom rails is enclosed with a glue layer for preventing or reducing impact caused by said bottom rails to said substrate.

8. The substrate carrying device of claim 1, wherein said end plates further comprises at least two lugs to facilitate transportation.

9. The substrate carrying device of claim 1, wherein said assembling units are screws.

15